

1910.

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# ANNUAL REPORT

UPON THE

Health and Sanitary Condition

OF THE

**WORSBOROUGH**

URBAN DISTRICT,

BY

H. A. L. BANHAM, M.O.H.

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# ANNUAL REPORT,

## 1910.

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*To the Chairman and Members of the Urban District  
Council of Worsborough.*

GENTLEMEN,

I beg to submit my Ninth Annual Report on the Health and Sanitary Condition of the Worsborough Urban District.

The Worsborough Urban District consists of :—

- (a) Worsborough Common, including Highstone and Ward Green ;
- (b) Worsborough Dale, including Swaithe, Lewdin and Edmund's Main ;
- (c) Worsborough and Birdwell, including Rockley ;
- (d) Blacker ;

but for the purposes of Vital Statistics it is taken as one District, there being no separate returns made by the Registrar for each division.

TABLE A, *giving the Population of the District at the Census of 1891 and that of 1901, and the Population estimated to mid-year 1910.*

DISTRICT.	Acre-age.	Census, 1891.	Census, 1901.	Estimated Population to mid-year 1910
Worsborough	3,778	9,905	10,335	12,255

We shall soon know whether my estimate of the population is a correct one. It is no easy matter to correctly estimate the population of a District like this at such a long interval from the last census. I hope I have under-estimated the population, then my rates will be erroneously high.

## BIRTHS.

Births.

The number of Births registered during 1910 was 426, being a decrease of 42 as compared with the number registered during the previous year.

This number is made up of 218 males and 208 females, and is equal to an annual nativity rate of 34·76 per thousand of the estimated population, or a decrease of 5·84.

This District, along with some other mining villages, has been in the past notorious for its high Birth rate. I fear we shall lose this reputation if we have many years like the last.

TABLE B.

Year.	Males.	Females.	TOTALS.	Rate.
1906	200	229	429	37·59
1907	234	220	454	39·47
1908	210	193	403	34·29
1909	244	224	468	40·6
1910	218	208	426	34·76

## STILL-BIRTHS.

Still-births.

On enquiry at the cemeteries I find that 21 still-born children were buried at Worsbro' Dale and Worsborough. Still-births ought to be registered; there is no doubt they are on the increase, and I have heard the question asked more than once at what age do I consider a child still-born?

## DEATHS.

Deaths.

The number of Deaths which occurred within the District during the year was 203. This number is made up of 105 males and 98 females, and is equal to an annual mortality rate of 16·56 per thousand of the estimated population.

Twelve Deaths have been reported to me, which occurred outside of, but belonging to, your District; the corrected rate is therefore 17·54.

When compared with the number of Deaths during 1909 it shows an increase of 62, or an increase of 4·79 per thousand of the estimated population,

The number of Deaths in each quarter were as follows :—

	In District	Residents in Institutions outside District.	TOTAL
1st Quarter	60	Kendray Hospital ... 4 Barnsley Institutions. 6 Other Institutions ... 2	12
2nd „	51		
3rd „	40		
4th „	52		
TOTAL ...	203	... .. 12	215

TABLE C, showing the ages at which Deaths occurred.

AGES.	Number.
Under 1 year ... ..	65
1 year and under 5 years... ..	36
5 years „ 15 „ ... ..	11
15 „ „ 25 „ ... ..	14
25 „ „ 65 „ ... ..	56
65 „ and upwards ... ..	33

(For the causes of, and ages at which Deaths occurred, refer to Table IV. at end of Report.)

### INFANTILE MORTALITY.

Of the 203 Deaths which occurred during 1910, 65 were under one year of age. Infantile Mortality.

This number represents an annual rate of Infantile Mortality to every thousand Births of 152·58, as compared with 48, or a rate of 102·56 for 1909.

The certified causes of the 65 Deaths are :—

Bronchitis ... ..	13
Pneumonia ... ..	7
Premature Births ... ..	8
Congenital Defects ... ..	8
Nervous (Convulsions) ... ..	8
Diarrhœa (all forms) ... ..	7
Whooping Cough ... ..	5
Rickets ... ..	1
Other Causes (see Table V.) ... ..	8



The Infantile Mortality is higher than usual, but it is not as bad as it at first sight appears, for you have to take into consideration that it is calculated on the number of births, which rate as I have stated before is lower than usual.

TABLE D, *Infantile Mortality for the past 5 years.*

YEAR.	Birth Rate.	Number of Deaths under One Year.	Rate of Infantile Mortality.
1906	37·59	63	146·85
1907	39·47	67	147·5
1908	34·29	68	168·7
1909	40·6	48	102·56
1910	34·76	65	152·58

Ignorance and carelessness with respect to feeding and taking young babies out at night is still very prevalent. In spite of my warnings for the past 15 years against the use of unsuitable and dirty bottles for feeding babies, the only one practically in use is the one with a long rubber tube, which is impossible to clean.

The early age at which girls marry in this district I am afraid has something to do with the high Infantile Mortality rate; they do not recognise their responsibility or the care required in the management of their offspring, especially with regard to taking their babies out late at night.

### ZYMOTIC DISEASES.

Zymotic Diseases.

During 1910 the number of Deaths from Zymotic Diseases, including the non-notifiable diseases, viz.;—Measles, Whooping Cough, Diarrhœa, and Enteritis, amount to 32.

This is 13 more than last year, and is equal to an annual mortality rate of 2·61 per thousand of the estimated population.

TABLE E, *shewing the number of registered Deaths from the principal Zymotic Diseases as compared with the previous 5 years.*

DISEASES.	1910	1909	1908	1907	1906	1905
Measles ... ..	3	4	1	15	3	7
Scarlet Fever ...	...	1	1	2	5	1
Whooping Cough.	13	...	13	3	3	3
Diphtheria ... ..	2	1	...	7	3	1
Enteric ... ..	3	2	3	4	...	6
Diarrhœa ... ..	11	11	19	18	24	20
TOTALS ... ..	32	19	37	49	38	38

### MEASLES AND WHOOPING COUGH.

Though these two diseases are not in any way associated, I have often noticed that the one quickly follows the other, and although we never have a year absolutely clear, we only have an epidemic about every three years. Measles and Whooping Cough.

Whooping Cough has been most prevalent and fatal on Worsbro' Common during the last four months of 1910. It is just shewing itself in Worsbro' Dale.

Measles has not been prevalent to any marked extent during 1910. If parents would abstain and Educational Authorities refuse to receive children in their Schools till the age when they are required to attend, viz., 5 years, in my opinion the death rate from Measles would soon be reduced, as it is the young children under 5 who succumb to Measles and its complications.

### DIARRHŒA.

Diarrhœa claims exactly the same number of Deaths, viz., 11, as the previous year. The climatic conditions of the two years were similar, which probably accounts for the reduced rate for this disease, but, at the same time, let us hope that it may be also partly due to the improved Sanitary condition of the district. Diarrhœa.

## SCARLET FEVER.

Scarlet Fever.

During 1910, 29 cases of Scarlet Fever have been notified as compared with 60 in 1909. The distribution of these cases was as follows:—

DISTRICT.	1910	1909	1908	1907	1906
Worsbro' Common ...	3	16	21	28	23
Worsbro' Dale ... ..	13	25	30	29	10
Worsbro' Bridge ... ..	4	1	17	17	26
Worsbro' and Birdwell..	9	18	5	33	12
Blacker ... ..	...	...	2	...	6
TOTALS ...	29	60	75	107	77

Last year we complimented ourselves upon the low rate; this, you will observe, is still lower. The disease seems of a milder type every year, and often goes unrecognised till secondary cases occur. I fear that the small numbers we have had during the past three years lays us open to a more serious attack in future, as there must be a large number in this District who are unprotected through not having had it.

Of the above cases 79·9 per cent. were removed to Hospital.

## DIPHTHERIA.

Diphtheria.

Fourteen cases of Diphtheria have been notified, the distribution of which was as follows:—

DISTRICT.	1910	1909	1908	1907	1906
Worsbro' Common ...	...	...	1	3	...
Worsbro' Dale ... ..	9	...	4	6	3
Worsbro' Bridge ... ..	4	1	4	4	4
Worsbro' and Birdwell..	1	3	...	6	1
Blacker ... ..	...	1	...	1	...
TOTALS ...	14	5	9	20	8

Eleven of these cases were removed to Hospital, two of which terminated fatally. Eight out of the nine cases notified from Worsbro' Dale were in August and



September, and although I could get no direct proof, I connected them with the village feast, probably, I thought, through infected toys, as trumpets, &c., but as the dealers in these sort of articles move from feast to feast in caravans, and so had left the district when this small outbreak occurred, there was no opportunity of verifying my suspicion. I have to complain that advantage is not taken more frequently of the swabs provided to verify the diagnosis, but what is more important still is that the anti-toxin is not sought after, for one can practically guarantee that if anti-toxin is used in the early stages of the disease, the result will be favourable, and I am beginning to doubt the necessity of removing cases to Hospital if anti-toxin is injected early; so that a few shillings spent by you on anti-toxin for each case not only saves life but saves the expense of maintenance of patients in Hospital.

### ENTERIC FEVER.

During 1910, 23 cases of Enteric have been notified. Enteric Fever.

TABLE F, showing the number of cases notified in each month, and in each district:—

MONTH.	Worsbro' Common	Worsbro' Dale	Worsbro' Bridge	Worsbro' and Birdwell	Blacker	TOTAL
January ...	...	2	...	...	...	2
February...	...	1	...	...	...	1
March ...	1	...	...	...	...	1
April ...	2	...	...	1	...	3
May ...	1	...	...	...	...	1
June... ..	1	...	...	...	...	1
July ...	...	...	...	...	...	...
August ...	...	1	...	...	...	1
September	7	...	...	...	...	7
October ...	3	...	...	...	...	3
November .	2	...	1	...	...	3
December..	...	...	...	...	...	...
TOTALS...	17	4	1	1	...	23

TABLE G, showing the distribution of the Disease  
for the past 5 years.

DISTRICT.	1910	1909	1908	1907	1906
Worsbro' Common ... ..	17	4	6	1	2
Worsbro' Dale ... ..	4	3	15	26	2
Worsbro' Bridge ... ..	1	6	9	5	3
Worsbro' and Birdwell ...	1	1	8	1	3
Blacker ... ..	...	...	..	...	...
TOTALS .. ..	23	14	38	33	10

Twenty-one of the cases were removed to Hospital, 2 cases died in Hospital, and one of the two cases that was not removed died.

Eight of the 17 cases from Worsbro' Common occurred in the same house; this being an example of the disease spreading by personal contact, or perhaps what would be more correct to say, by careless nursing.

One case in Worsbro' Dale was an imported case from Wigan.

Of the 23 cases 12 were from houses with privy-middens, 9 from houses with waste water-closets, and 2 from houses with water-closets.

### TUBERCULOSIS.

Tuberculosis.

During 1910, 10 Deaths were registered as due to Phthisis, and 5 as due to other Tuberculous Diseases. This is equal to an annual death-rate of 1.22 per thousand of the estimated population for all Tuberculous Diseases.

### INQUESTS.

Inquests.

Enquiries have been held by the Coroner upon 16 deaths of persons in or belonging to your District during 1910, as compared with 14 in 1909.

The following were the causes of death:—

- 6 Accidents
- 6 Natural Causes
- 3 Heart Disease
- 1 Suicide

## WATER SUPPLY.

There has been no scarcity of Water in your District during 1910. Water Supply.

## MILK SUPPLY.

Fifty-six cowsheds are on the register in your District. To these 114 inspections have been made by your Sanitary Inspector. Eight cowsheds have been registered during the year, 7 others are not at present in use, 2 have been repaired, and 4 cleansed after verbal notice given. Milk Supply.

Of the 4 cowsheds which were classified as being in bad condition at the end of 1909, 2 are not now used for milch cows, and 1 has been repaired.

There is a little improvement in the conditions generally.

## SCHOOLS.

It has not been necessary to close any of the Schools owing to an epidemic during 1910. Schools.

Head Teachers have been notified of all cases of infectious disease occurring amongst children attending their Schools, and I have visited the Schools when occasion has required, and the Teachers have always willingly promised to give me every assistance in reporting any suspicious cases.

The Schools have been disinfected twice during the year, and the sanitary condition and conveniences are satisfactory.

## FACTORIES AND WORKSHOPS.

There are 5 Factories, 11 Workshops, 2 Work-places, and 1 Domestic Workshop in your District. Factories and Workshops.

The following are the different trades carried on:—

### FACTORIES.

1 Gas Works	1 Timber Yard
2 Joiners' Works	1 Corn Mill

### WORKSHOPS.

3 Blacksmiths	1 Tram Dépôt
1 Sweet Manufacturer	2 Tripe Boilers
1 Joiner	1 Gunpowder Works
2 Plumbers	

## WORK-PLACES.

1 Builder's Yard                      1 Scrap Iron Yard

## DOMESTIC WORKSHOPS.

1 Dressmaker

Sixty-five Inspections have been made to the above and all were found to comply with the requirements of the Act.

## SCAVENGING.

Scavenging.

There are 680 privy middens and 262 dry ashpits in the Worsbro' Urban District.

The whole of the scavenging of these conveniences is done by your own staff.

	Loads.
Total number of loads removed ...	7,101
Night-soil and Ashes ... ..	3,474
Night-soil deposited on Farm Land	3,323
Ashes deposited on Council's Tips	3,151
Bell-cart Rubbish deposited on Tips	627

During the year 22 privies have been converted into water closets.

It is a pity that with our splendid water supply and with a proper system of sewage disposal that we cannot abolish altogether privy middens in the district.

One suggestion I have again to make is that the privies in thickly populated districts such as New England should be emptied between the hours from 12 p.m. to 7 a.m. during the summer months.

The condition of yards and back streets still leaves much to be desired. There is far too much kitchen refuse thrown into the streets, and some drastic measure ought to be taken to prevent children from fouling the yards and pavements by defæcating upon them.

## HOUSES OF THE WORKING CLASSES.

Houses.

Under the Inspection of District-Housing, &c., Act, 336 houses have been inspected, which comprise practically the whole of the houses on Worsbro' Common. Of this number, 98 are back-to-back houses, and 47 have only one bedroom. 64 sanitary defects were found, but only two bad cases of over-crowding. The property generally is old property, but is properly spouted, drained, and provided with the main water supply, and there is a fair amount of open space abutting the houses which to a certain extent provides for a free circulation of fresh air.



## METEOROLOGY.

MONTH.	No. of Days upon which Rain fell.	Rainfall in Inches.	Maximum Temp. Registered in Shade.	Minimum Temp. Registered in Shade.	Mean Temperature.
January ...	18	2.42	58	11	39.80
February ...	22	2.09	55	30	39.82
March ...	6	0.25	68	25	44.26
April ...	16	1.98	65	27	46.31
May ...	15	1.69	83	32	54.96
June ...	14	3.34	84	43	61.00
July ..	14	2.32	85	43	60.9
August ...	15	1.31	80	47	62.27
September ...	8	1.30	77	37	57.99
October ...	13	1.86	75	38	52.18
November ...	17	2.20	52	25	37.36
December ...	25	4.02	59	26	44.63

Meteorology.

Total Number of Days upon which Rain fell 183  
 Total Rainfall in Inches ... 24.78  
 Mean Temperature for the Year ... 50.02

In conclusion, I beg to thank the officers of your Council for the assistance they have willingly given me during the year.

I have the honour to be,

Your obedient Servant,

H. A. L. BANHAM.

*Summary of Work done by the Sanitary Inspector during the year 1910 in the Urban District of Worsborough.*

<b>I. Public Health Acts.</b>	Number of Notices served by Inspector	Number of Nuisances abated after notice	General Remarks.
<b>DWELLING HOUSES—</b>			
Inspections made, 715			
Foul conditions ... ..	30	30	18 cleansed after verbal notice
Overcrowding ... ..	6	6	3 remedied after verbal notice
Damp walls, roofs, etc. ...	25	19	6 repaired after verbal notice
Defective W.-Cs., drains, etc. ... ..	32	29	3 repaired after verbal notice
Defective sink pipes ... ..	15	15	
Defective eaves, gutters, and spouting ... ..	5	5	
Offensive and dilapidated privy ashpits ... ..	14	13	5 repaired & 4 cleansed after verbal notice
Offensive deposits ... ..	4	4	3 removed after verbal notice
Stagnant water, etc....	5	5	4 removed after verbal notice
Insufficient closet accommodation ... ..	6	4	
Offensive urinals... ..	3	3	
Foul cesspools ... ..	2	2	1 cleansed after verbal notice
Fowls improperly kept ...	...	...	7 remedied after verbal notice
Emission of black smoke...	1	1	
	Number of Inspections	Number of Notices served	
<b>LODGING HOUSES—</b>			
No. on register, 0	...	...	
<b>COWSHEDS—</b>			
No. on register, 56	140	...	8 Cowsheds registered, and 7 others not at present in use 2 repaired & 4 cleansed after verbal notice
<b>BAKEHOUSES—</b>			
No. on register, 1	...	...	Not now in use
<b>SLAUGHTER-HOUSES—</b>			
No. on register, 12	250	...	2 hindquarters and 1 forequarter of beast condemned
<b>II. Factory and Work-shops Act.</b>			
No. on register, 17	65	...	} Fair condition
2 Tripe Boilers ... ..			
14 Fried Fish Shops ... ..	25	1	1 condemned
<b>III. Food and Drugs Act.</b>	Samples taken for Analysis	RESULT.	
Milk ... ..	12 New Milk 1 Skimmed Milk	All certified as genuine	

**PRECAUTIONS AGAINST INFECTIOUS DISEASES :—**

Houses disinfected after infectious diseases ... ..	59
Lots of Clothing, etc., removed for disinfection ...	4
No. of Schools disinfected twice during the year ...	11

**THOMAS PILKINGTON, Sanitary Inspector.**

TABLE I.—*Vital Statistics of Whole District during 1910 and previous years.*

YEAR	Population estimated to middle of each Year	Births.		Total Deaths under One Year of Age		Total Deaths at all Ages.		Deaths of Residents registered in Public Institutions beyond the District	Deaths at all Ages, Nett.	
		Number	Rate*	Number	Rate per 1,000 Births registered	Number	Rate*		Number	Rate*
1900	10,300	423	41.06	73	172.34	171	16.60	10	181	17.57
1901	10,335	431	41.70	86	199.53	194	18.77	10	204	19.73
1902	10,435	433	41.49	58	133.94	181	17.34	5	186	17.82
1903	10,650	441	41.40	68	154.19	203	19.06	15	218	20.46
1904	10,978	391	35.61	69	176.4	177	16.12	12	189	17.21
1905	11,230	472	42.03	68	144.06	180	16.02	14	194	17.26
1906	11,410	429	37.59	63	146.85	154	13.49	21	175	15.32
1907	11,500	454	39.47	67	147.5	201	17.47	15	216	18.78
1908	11,750	403	34.29	68	168.7	197	16.76	13	210	17.87
1909	12,000	468	40.6	48	102.56	138	11.5	15	153	12.75
Aver- ages for years 1900- 1909	11,058.8	434.5	39.52	66.8	154.60	179.6	16.31	13	192.6	17.47
1910	12,255	426	34.76	65	152.58	203	16.56	12	215	17.54

Institutions outside the District receiving sick and infirm persons from the District—Beckett Hospital; Union Workhouse; Kendray Hospital.

Other Institutions, the deaths in which have been distributed among the several localities in the District—Leeds Infirmary; West Riding Lunatic Asylum.

\* Rates calculated per 1,000 of estimated population.

Area of District (exclusive of area covered by water), 3,778 acres.

Total population at all ages	...	...	10,335	} At Census of 1901.
Number of inhabited houses	...	...	2,207	
Average number of persons per house	...	...	5.009	

TABLE III.

*Cases of Infectious Disease notified during the Year 1910.*

Notifiable Disease.	Cases Notified in whole District.						Total Cases Notified in each Locality.					No. of Cases removed to Hospital from each Locality.						
	At all Ages.	At Ages—Years.					Worsbro' Bridge.	Worsbro' Dale.	Worsbro' Common.	Birdwell and Worsbro'.	Blacker.	Worsbro' Bridge.	Worsbro' Dale.	Worsbro' Common.	Birdwell and Worsbro'.	Blacker.	Total Removed to Hospital.	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65												65 and upwards
Small-pox ...																		
Cholera ...																		
Diphtheria ...	14	1	5	8			4	9			1							
Membranous Croup																		
Erysipelas ...	4		1		1	2	2	1	1									
Scarlet Fever ...	29		10	17		2	3	13	4		9							
Typhus Fever ...																		
Enteric Fever ...	23		6	7	5	5	1	4	17		1							
Relapsing Fever ...																		
Continued Fever ...																		
Puerperal Fever ...																		
Plague ...																		
TOTAL ...	70	1	22	32	6	9	10	27	22	11		7	19	21	8			55

ISOLATION HOSPITAL.—Kendray Hospital, Ardsley.



TABLE IV.

*Causes of, and Ages at, Death during Year 1910.*

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES AT ALL AGES				
	All Ages.	Under 1.	1 & under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Worsbro' Common.	Worsbro' Dale.	Worsbro' Bridge.	Birdwell and Worsbro'.	Blacker.
Measles ... ..	3		3					2			1	
Whooping Cough ...	13	5	8					7	1	1	1	3
Diphtheria (including Membranous Croup) ... ..	2			2					1	1		
Croup ... ..	1		1						1			
Enteric Fever ...	3		1		1	1		1	1	1		
Epidemic Influenza ...	4	1		1		2		1	3			
Diarrhœa... ..	10	7	3					3	1	3	2	1
Enteritis ... ..	1		1						1			
Phthisis (Pulmonary Tuberculosis) ...	10				5	5			1	4	3	2
Other Tuberculous Diseases ... ..	5	1	3	1				3	1	1		
Cancer, Malignant Disease ... ..	7					2	5	1	2	3	1	
Bronchitis ... ..	28	13	1			2	12	8	4	9	4	3
Pneumonia ... ..	20	7	9	1		2	1	4	6	7	3	
Pleurisy ... ..	1						1			1		
Other Diseases of Respiratory Organs ... ..	2				1	1						2
Alcoholism—Cirrhosis of Liver ...	2					2				1		1
Premature Birth ...	8	8						2		3	2	1
Diseases and Accidents of Parturition ... ..	3				2	1		2			1	
Heart Diseases ...	21			1	2	13	5	5	5	5	6	
Accidents... ..	11	2	2	2	1	3	1	2	3	3	3	
Suicides ... ..	1					1					1	
Nervous ... ..	19	9		1		5	4	4	4	2	6	3
Old Age ... ..	6					1	5		2	2	2	
Congenital ... ..	8	8						2	2	2	2	
Rickets ... ..	4	1	3					1		2		1
All other causes ...	22	3	1	2	2	14		4	4	6	5	3
All Causes ...	215	65	36	14	11	55	34	52	43	57	43	20

TABLE V.—Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year
Whooping Cough ..						1	2	1							1	1	5
Diarrhœa, all forms ..									1		1	1				1	5
Enteritis ... ..				1	1											1	1
Gastritis ... ..					8											1	1
Premature Birth ...	6	1	1		5												8
Congenital Defects...	3	1	1			1	2										8
Marasmus ... ..						1											1
Other Tuberculous Diseases											1						1
Rickets ... ..													1				1
Menigitis ( <i>not Tuberculous</i> ) ... ..														1			1
Convulsions ... ..		1	1	1	3	3			1			1					1
Bronchitis ... ..		1	2		3	3	2		1		1		2			1	8
Pneumonia ... ..		1			1	1					1	3		1			13
Other Causes ... ..		1		1	2						1		1			1	7
	9	6	5	3	23	10	6	1	3		5	5	4	2	1	5	65

Population, estimated to middle of 1910 ... 12,255

Births in the year (legitimate and illegitimate) ... 426

Deaths " " Infants ... 65

Deaths from all Causes, at all Ages ... 215



